

INFORMATION DISCLOSURE STATEMENT

Applicant : Peter T. McCarthy
App. No. : Unknown
Filed : July 18, 2003
For : HIGH DEFLECTION HYDROFOILS AND SWIM FINS
Examiner : Unknown
Group Art Unit : Unknown

10/623,187

Commissioner for Patents
P.O. Box 1450
Alexandria, VA 22313-1450

Dear Sir:

Enclosed is form PTO-1449 listing 188 references, 45 of which are enclosed. Because this application was filed after June 30, 2003, no copies of the cited U.S. Patent documents need be submitted.

This Information Disclosure Statement is being filed before the receipt of a first Office Action on the merits, and presumably no fee is required in accordance with 37 C.F.R. § 1.97(b)(3). If a first Office Action on the merits was mailed before the mailing date of this Statement, the Commissioner is authorized to charge the fee set forth in 37 C.F.R. § 1.17(p) to Deposit Account No. 11-1410.

Respectfully submitted,

KNOBBE, MARTENS, OLSON & BEAR, LLP

Dated: 10/14/03

By: Mark Kertz

Mark J. Kertz
Registration No. 43,711
Attorney of Record
Customer No. 20,995
(949) 760-0404



PATENT

Case Docket No. NATURES.025A

Date: October 14, 2003

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

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Appl. No. : Unknown
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I hereby certify that this correspondence and all marked attachments are being deposited with the United States Postal Service as first class mail in an envelope addressed to: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450, on

October 14, 2003

(Date)

Mark Kertz

Mark J. Kertz, Reg. No. 43,711

TRANSMITTAL LETTER

Commissioner for Patents
P.O. Box 1450
Alexandria, VA 22313-1450

Dear Sir:

Enclosed for filing in the above-identified application are:

- (X) An Information Disclosure Statement.
- (X) A PTO Form 1449 with 188 references, 45 of which are enclosed.
- (X) Return prepaid postcard.

The Commissioner is hereby authorized to charge any additional fees which may be required, or credit any overpayment, to Account No. 11-1410.

Mark Kertz

Mark J. Kertz
Registration No. 43,711
Attorney of Record
Customer No. 20,995
(949) 760-0404

FORM PTO-1449

U.S. DEPARTMENT OF COMMERCE
PATENT AND TRADEMARK OFFICEATTY. DOCKET NO.
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July 18, 2003GROUP
Unknown

U.S. PATENT DOCUMENTS

EXAMINER INITIAL.		DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE (IF APPROPRIATE)
	1	5,384	12/4/1847	R.A. Tilghman			
	2	144,538	11/11,1873	Harsen			
	3	169,396	11/2/1875	O.G. Ahlstrom			
	4	234,305	05/28/25	Bovey			
	5	476,092	12/01/37	Valente			
	6	783,012	02/21/05	Biedermann et al.			
	7	787,291	unknown	Michiels			
	8	871,059	11/12/07	Douse			
	9	983,967	2/14/11	Woods			
	10	998,146	07/18/11	Alfier et al.			
	11	1,061,264	5/13/1913	Bys			
	12	1,011,767	12/12/11	Farum			
	13	1,063,805	6/3/13	Krause			
	14	1,324,722	12/11/1917	William Bergin			
	15	1,607,857	5/27/1926	F. Zukal			
	16	1,684,714	08/12/27	Perry			
	17	1,710,673	4/23/29	Bonney			
	18	2,123,096	7/5/38	Charpentier			
	19	2,210,642	8/6/40	Thompson			
	20	2,241,305	02/27/39	Hill, Jr.			
	21	2,321,009	9/27/1940	O.P. Churchill			
	22	2,343,468	3/7/1944	Messinger			
	23	2,423,571	07/08/47	Wilen			
	24	2,576,981	12/4/51	Vogt			
	25	2,588,363	03/11/52	Corlieu			
	26	2,846,165	8/5/58	Axelson			
	27	2,850,487	9/2/1958	Gaetano F. D'Alelio			

EXAMINER

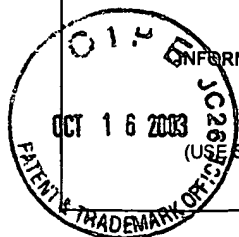
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	28	2,865,033	12/23/1958	D.L. Jayet			
	29	2,889,563	6/9/1959	E.W. Lamb, et. al.			
	30	2,903,719	9/15/1959	J.L. Wozencraft			
	31	2,950,487	08/30/60	Woods			
	32	3,019,458	2/6/1962	E. De Barbieri, et. al.			
	33	3,055,025	9/25/1962	L. Ferraro, et. al.			
	34	3,082,442	3/26/1963	Cousteau, et al.			
	35	3,084,355	04/09/63	Ciccotelli			
	36	3,086,492	04/23/63	Holley			
	37	3,109,495	11/5/63	Lang			
	38	3,112,503	12/3/1963	B.B. Girden			
	39	3,171,142	3/2/1965	Auzols			
	40	3,239,857	3/15/1966	Frederick H. Gwynne			
	41	3,256,540	6/21/1966	Novelli			
	42	3,369,775	2/20/68	Rethorst			
	43	3,411,165	11/19/68	Murdoch			
	44	3,411,738	11/19/68	Sargent			
	45	3,422,470	01/21/69	Mares			
	46	3,453,981	07/08/69	Gause			
	47	3,480,234	11/25/69	Cornish III			
	48	3,491,997	01/27/70	Winters			
	49	3,596,854	8/3/71	Haney, Jr.			
	50	3,665,535	5/30/1972	Picken			
	51	3,776,363	12/4/73	Kuethe			
	52	3,773,011	11/20/73	Gronier			
	53	3,776,363	12/4/73	Kuethe			
	54	3,810,269	5/14/74	Tabata			

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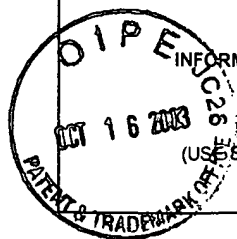
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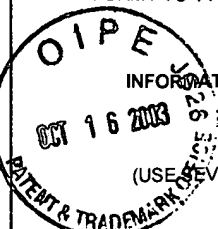
U.S. PATENT DOCUMENTS

EXAMINER INITIAL		DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE (IF APPROPRIATE)
	55	3,904,151	9/9/75	Rethorst			
	56	3,922,741	12/02/75	Semeia			
	57	3,934,290	01/27/76	Le Vasseur			
	58	3,952,351	04/27/76	Gisbert			
	59	4,007,506	2/15/1977	Rasmussen			
	60	4,025,977	5/31/1977	Cronin			
	61	4,083,071	04/11/78	Forjot			
	62	4,108,403	8/22/78	Finch			
	63	4,193,371	03/18/80	Baulard-Caugan			
	64	4,197,869	04/15/80	Moncrieff-Yeates			
	65	4,209,866	7/1/1980	Loeffler			
	66	4,293,110	10/6/81	Middleton et al.			
	67	4,323,209	4/6/82	Thompson			
	68	4,342,558	08/03/82	Wilson			
	69	4,382,569	5/10/83	Boppe et al.			
	70	4,444,367	4/24/84	Spillman			
	71	4,521,220	06/04/85	Schoofs			
	72	4,541,810	09/17/85	Wenzel			
	73	4,657,515	4/14/1987	Ciccotelli			
	74	4,689,029	8/25/1987	Ciccotelli			
	75	4,705,240	10/10/87	Dixon			
	76	4,722,499	2/2/88	Klug			
	77	4,738,645	04/19/88	Garofalo			
	78	4,752,259	6/21/1988	Tackett, et. al.			
	79	4,773,885	9/27/1988	Ciccotelli			
	80	4,775,343	10/4/1988	Lamont, et. al.			
	81	4,776,535	10/11/88	Paterson et al.			

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FORM PTO-1449 U.S. DEPARTMENT OF COMMERCE PATENT AND TRADEMARK OFFICE  INFORMATION DISCLOSURE STATEMENT BY APPLICANT (USE SEVERAL SHEETS IF NECESSARY)	ATTY. DOCKET NO. NATURES.025A	APPLICATION NO. Unknown
	APPLICANT Peter T. McCarthy	
	FILING DATE July 18, 2003	GROUP Unknown

U.S. PATENT DOCUMENTS							
EXAMINER INITIAL		DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE (IF APPROPRIATE)
	82	4,776,542	10/11/88	Van Dam			
	83	4,781,637	11/01/88	Caires			
	84	4,820,218	04/11/89	Van de Pol			
	85	4,857,024	08/15/89	Evans			
	86	4,869,696	9/26/1989	Ciccotelli			
	87	4,895,537	1/23/1990	Ciccotelli			
	88	4,929,206	5/29/1990	Evans			
	89	4,934,971	06/19/90	Picken			
	90	4,940,437	07/10/90	Platt			
	91	4,944,703	07/31/90	Mosier			
	92	4,949,919	8/11/90	Wajnikonis			
	93	4,954,111	09/04/90	Cressi			
	94	4,954,112	09/04/90	Negrini et al.			
	95	4,975,022	12/4/90	Perry			
	96	5,058,837	10/22/91	Wheeler			
	97	5,074,234	12/24/91	Stearns, IV			
	98	5,150,859	9/29/92	Ransick			
	99	5,163,859	11/17/92	Beltrani, et al.			
	100	5,304,081	4/19/1994	Takizawa			
	101	5,324,219	06/28/94	Beltrani et al.			
	102	5,356,323	10/18/94	Evans			
	103	5,356,094	10/18/94	Sylvain			
	104	5,358,439	10/25/94	Paolo			
	105	5,366,177	11/22/94	DeCoux			
	106	5,374,210	12/20/94	Sardella			
	107	5,387,145	2/7/1995	Wagner			
	108	5,417,599	05/23/95	Evans			

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	109	5,429,536	7/4/1995	Evans			
	110	5,435,764	7/25/1995	Testa, et. al.			
	111	5,443,593	8/22/1995	Garofalo			
	112	5,522,748	6/4/1996	Cressi			
	113	5,527,197	6/18/1996	Evans			
	114	5,533,918	7/9/1996	Sanders			
	115	5,595,518	1/21/1997	Ours			
	116	5,597,336	1/28/1997	Evans			
	117	5,634,613	6/3/97	McCarthy			
	118	5,746,631	5/5/1998	McCarthy			
	119	5,810,629	9/22/1998	Parr			
	120	6,050,868	4/18/00	McCarthy			
	121	6,053,788	4/25/00	Garofalo			
	122	6,095,879	8/2000	McCarthy			
	123	6,126,503	10/3/00	Viale, et al.			
	124	6,146,224	11/14/00	McCarthy			
	125	6,290,561 B1	9/18/01	Garofalo et al.			
	126	6,364,728 B1	4/2/02	Viale et al.			
	127	6,371,821	4/16/02	McCarthy			
	128	6,413,133 B1	7/2/02	McCarthy			
	129	6,482,059 B2	11/19/02	McCarthy			
	130	6,497,597	12/24/02	McCarthy			
	131	6,585,548	7/1/03	McCarthy			
	132	6,607,411	8/19/03	McCarthy			
	133	Des. 278,165	3/26/1985	Evans			
	134	Des. 302,999	8/22/1989	McCredie			
	135	Des. 327,933	7/14/1992	Evans			

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	136	Des. 327,934	7/14/1992	Evans			
	137	Des. 327,935	7/14/1992	Evans			
	138	Des. 328,118	7/21/1992	Evans			
	139	Des. 340,272	10/12/1993	Evans			
	140	Des. 353,181	12/6/1994	Evans			
	141	Des. 393,684	4/21/1998	Lin			
	142	Des. 396,897	8/11/1998	Evans			
	143	Des. 404,456	1/19/1999	Evans			

FOREIGN PATENT DOCUMENTS

EXAMINER INITIAL		DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUBCLASS	TRANSLATION	
							YES	NO
	144	1501208	Nov 1967	France				
	145	509764	2/1930	Germany				
	146	DD 259 353 A	08/24/88	Germany				
	147	FR 2574 748 A	06/20/86	France				
	148	JP62 134395	06/17/87	Japan				
	149	SU 1323 463 A	03/13/86	Soviet Union				
	150	0 308 998	03/29/89	Europe				
	151	DE 3438808	04/24/86	Germany				
	152	2 058 941	1971	France				
	153	2 213 072	1974	France				
	154	625377	09/19/61	Italy				
	155	625377	09/19/61	ITALY (with Certified Translation)			X	
	156	1,245,395	1960	France				
	157	1,245,395	9/26/60	FRANCE (with Certified Translation)			X	
	158	17,033	1890	England				

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							YES	NO
	159	787,291	1935	France				
	160	553307	1956	Italy				
	161	61-6097	1986	Japan				
	162	1,075 997	1960	Germany				
	163	1,075 997	1960	Germany (with Certified Translation)			X	
	164	1284765	1972	Great Britain				
	165	2 543 841	1983	France				
	166	2 543 841	1983	French Republic (certified translation)			X	
	167	234305	5/28/1925	Great Britain				
	168	2,490,498	3/26/82	France				
	169	1,208,636	1959	France				
	170	SU 1239302 A1	6/23/86	Soviet Union				
	171	0 482 932 A1	4/29/92	Europe				
	172	0 768 392 A2	10/9/96	Europe				
	173	768392	1/1934	France				
	174	0 509 764 A1	4/14/92	Europe				

EXAMINER INITIAL	OTHER DOCUMENTS (INCLUDING AUTHOR, TITLE, DATE, PERTINENT PAGES, ETC.)	
	175	Rossier, Robert N., entitled, "Moving Forward - Getting your best kick in the water can come from a combination of design, efficiency and hydrodynamics in fins". ALERT DIVER, Nov-Dec 1997, pages 26 - 28.
	176	Triantafyllou, Michael S. and Triantafyllou George S., entitled, "An Efficient Swimming Machine". SCIENTIFIC AMERICAN, March 1995, pages 64-70.
	177	"3302 of 1880" (Picture From Book-Found in US PTO)
	178	"Test Dive" Article in Jan/Feb 1996 issue of <i>Sport Diver Magazine</i>
	179	"Oceanic V-Drive Fins" in May/Jun. 1996 Issue of <i>Sport Diver Magazine</i>
	180	Walton and Katz "Application of Leading-Edge Vortex Manipulations to Reduce Wing Rock Amplitudes" <i>Journal of Aircraft</i> Vol. 30, No. 4, pp. 555-559
	181	Traub and Nurick "Effects of Wing-Tip Vortex Flaps" <i>Journal of Aircraft</i> Vol. 30, No. 4, pp. 557-559
	182	Grantz and Marchman III "Trailing Edge Flap Influence on Leading Edge Vortex Flap Aerodynamics", <i>Journal of Aircraft</i> Vol. 20, No. 2, pp. 165-169
	183	Rao "An Exploratory Study of Area-Efficient Vortex Flap Concepts" <i>Journal of Aircraft</i> , Vol. 20, No. 12, pp. 1062-1067

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	184	Lamar and Campbell "Vortex Flaps-Advanced Control Devices for Supercruise Fighters" Jan. 1984, Aerospace America.
	185	"BZ" bodysurfing fin (Picture), 1 st production in 1990
	186	"Blade Pro" bodysurfing fin (Picture), 1 st production 1991
	187	"Wave Rebel" bodysurfing fin (Picture), 1 st production 1994
	188	Art. 1400 Pinna "Professional" Fin (1989)
	189	
	190	
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